

# 805.txt

Straight heating thorium-tungsten cathode triode 805, can amplify the power of B series, A-F and R-F, and can amplify the power of C series and R-F and high frequency surge. 805 is the same with GL-805, and can be exchanged each other.

filament heating

Uf .....10 V  
If.....3.25 A

capacitance between poles

input capacitance.....8.5 PF  
output capacitance.....10.5 PF  
transroute capacitance.....6.5 PF

limit rating

plate voltage.....1500 V  
plate dissipation power.....125 W  
working frequency and plate voltage when working frequency is higher than 30MC, the output

power of plate voltage and anticathode will adjust low according to the below table:  
frequency(MC) plate voltage and anticathode input power

B grade electrode C grade telanticathode modulate telex

30	100%	100%
45	90%	82%
80	71%	55%

commend working state(reference value)

B series A-F power amplify(two tubes) limit value

Ua.....1250 1500 1500 V  
Ia(max.sig.per tube).....210 mA  
Pa(in)(max.sig.per tube) z.....315 W  
Pa (per tube) .....125 W  
Ug.....-16 V  
üg(pk).....235 280 V  
Ia(0).....148 84 mA  
Ia(max.sig).....500 600 mA  
Pd.....6 7 W  
RL(a-a).....6.7 8.2 kΩ  
Pout(max.sig).....300 370 W

B series R-F power amplify

(on carry wave condition, each tube's maximum modulate coefficient is 1.0)

limit value

Ua.....1250 1500 1500 V  
Ug.....-10 V  
Ia.....135 115 150 mA  
Pa(in).....185 W  
üg(pk).....70 70 V  
Ig.....15 15 mA  
Pd.....11 7.5 W  
Pout.....55 57.5 W

C series R-F power amplify and surge(anticathode modulate)

(on carry wave condition, each tube's maximum modulate coefficient is 1.0)

Limit values:

Ua.....1000 1250 1250 V  
Ug.....-155 -160 -500 V  
Ia.....160 160 175 mA  
Ig.....60 60 70 mA  
Pa(in).....220 W  
Pa.....85 W  
üg(pk).....295 300 V  
Pd.....16 16 W  
Pout.....110 140 W